

## Features

- Single and multi stage protection – primary or combination primary/secondary protectors
- Single pair and 10 pair protectors
- Simple installation into Krone-LSA® disconnect block
- L-L & L-G protection – for comprehensive protection
- HSP High Speed Protectors support 8Mbit/s digital and 12MHz analog networks

The Subscriber Line Protector (SLP) and High Speed Protector (HSP) are designed for the protection of telecommunication and data circuits that terminate on 10 pair Krone-LSA plus disconnect blocks. The DIN rail mount Data Line Termination (DLT) screw terminal block allows these protectors to be used in applications where disconnect blocks are not fitted.

The SLP1 K2 is a single pair protector, suited to protection of traditional voice circuits. The SLP10K1F is a 10 pair protector for voice and high speed data circuits.

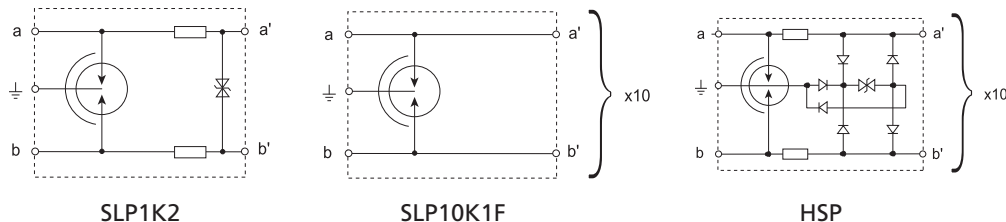
The HSP series feature multiple protection stages providing enhanced protection. The K12, 36 and 72 are low voltage units suited to industrial/signalling applications. The K230 is suited to protection of sensitive voice and high speed data circuits.



DLT (#702721) available where screw terminal connections are required (2.5 mm<sup>2</sup>)

Model	HSP10K12	HSP10K36	HSP10K72	HSP10K230	SLP10K1F	SLP1K2*
Item Number for Europe	700815	700805	700850	700860	701540	
Max Cont. Operating Voltage, U <sub>c</sub>	13 VDC	40 VDC	65 VDC	190 VDC		
Max Discharge Current, I <sub>max</sub>	20 kA 8/20 μs (L+L)-E					
Technology	Multi stage				Single stage	Multi stage
Connection	Krone LSA Plus termination system					
Frequency	12 MHz; 8 Mbits				3 MHz; 2 Mbits	
Dimensions H x D x W: mm (in)	35 x 21 x 125 (1.36 x 0.83 x 4.92)				35 x 21 x 10 (1.38 x 0.83 x 0.37)	
Max Line Current, I <sub>L</sub>	150 mA				1,000 mA	120 mA
Temperature	-20°C to 60°C (-4°F to 140°F)					
Impedance Balance	<55 dB				<48 dB	
Insertion Loss	<0.40 dB				<0.75 dB	
Return Loss	<20 dB				<22 dB	
Loop Resistance	16.4 Ω	16.4 Ω	6.6 Ω	6.6 Ω	0.2 Ω	20.0 Ω
Humidity	0 % RH to 90 % RH					
Approvals	C-Tick, CE			A-Tick, C-Tick, CE		

\*Ground bar accessory, (P/N SLP-EB), required per 10 pair Krone-LSA block when using SLP1K2 protector.



Krone-LSA is a registered trademark of Krone GmbH.

## WARNING

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## RJ11 Telephone Line Protection

## Features

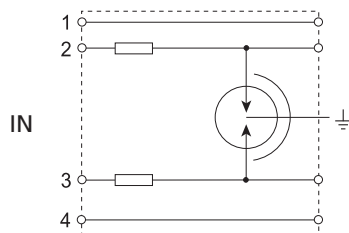
- RJ11 sockets – simple plug-in connection for 4 or 6 position RJ plugs
- 6.5" patch cord included – no additional cables required
- SLP RJ11 is UL® 497A Listed
- L-L & L-G protection – for comprehensive protection
- Automatic over-current protection

The SLP1 RJ11 series of surge suppressors are designed to provide protection to telecommunication equipment connecting via RJ11 plugs. Designed for traditional (2 wire) telephone circuits, the product is also compatible with modems and ADSL circuits.

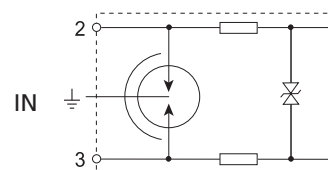
The SLP1 RJ11 is a UL Listed secondary protector intended for use in facilities where primary protective devices have been installed at the service entrance. The SLP1 RJ11A is a high-energy multi-stage primary protector intended for non UL applications where higher surge ratings are required.



Model	SLP1RJ11	SLP1RJ11A
Max Cont. Operating Voltage, $U_c$	<280 V	
Max Discharge Current, $I_{max}$	500 A 8/20 $\mu$ s	20 kA 8/20 $\mu$ s
Dimensions H x D x W: mm (in)	38 x 28 x 76 (1.50 x 1.10 x 2.99)	
Weight: g (lbs)	50 (0.11)	
Connection	150 mm (6") 0.8 mm <sup>2</sup> (#18AWG) with earth 4 mm ring lug 165 mm (6.5") patch cord included 6 position RJ, 2 pins protected	
Mounting	Adhesive backing	
Approvals	UL®	A-Tick
Voltage Protection Level, $U_p$	110 V T-R 500 V @ 125 A (T+R)-G	
Max Line Current, $I_L$	160 mA	120 mA
Temperature	-40°C to 65°C (-40°F to 149°F)	



SLP1RJ11



SLP1RJ11A

UL is a registered trademark of Underwriters Laboratories, Inc.

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